

Wednesday, May 23, 2012

Attn: Mr. Mike Susca Leggette, Brashears & Graham 6 Executive Drive Farmington CT 06030

Project ID: DELL Sample ID#s: BB78097

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Laboratory Director

NELAC - #NY11301 CT Lab Registration #PH-0618 MA Lab Registration #MA-CT-007 ME Lab Registration #CT-007 NH Lab Registration #213693-A,B NJ Lab Registration #CT-003 NY Lab Registration #11301 PA Lab Registration #68-03530 RI Lab Registration #63 VT Lab Registration #VT11301



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 23, 2012

FOR: Attn: Mr. Mike Susca

Leggette, Brashears & Graham

6 Executive Drive Farmington CT 06030

Sample Information

Matrix: **SOLID**

Location Code: LBG-FARM

Rush Request: Standard

P.O.#:

Custody Information

Collected by:

Received by:

Analyzed by:

SW

04/26/12

Date

Time 14:39

04/27/12

14:34

see "By" below

Laboratory Data

SDG ID: GBB78079

Phoenix ID: BB78097

DELL Project ID: 4E 5-6 Client ID:

Parameter	Result	RL	Units	Date	Time	Ву	Reference
Percent Solid	89		%	04/30/12		JL	E160.3
Extraction of CT ETPH	Completed			05/18/12		SS/F	3545
Soxhlet Extraction for PCB	Completed			04/27/12		*/*	SW3540C
TPH by GC (Extractable P	roducts)						
Ext. Petroleum HC	420	22	mg/Kg	05/21/12		JRB	CT ETPH/8015
Identification	**		mg/Kg	05/21/12		JRB	CT ETPH/8015
QA/QC Surrogates							
% n-Pentacosane	54		%	05/21/12		JRB	50 - 150 %
PCB (Soxhlet)							
PCB-1016	ND	360	ug/Kg	05/01/12		МН	3540C/8082
PCB-1221	ND	360	ug/Kg	05/01/12		MH	3540C/8082
PCB-1232	ND	360	ug/Kg	05/01/12		MH	3540C/8082
PCB-1242	ND	360	ug/Kg	05/01/12		MH	3540C/8082
PCB-1248	ND	360	ug/Kg	05/01/12		MH	3540C/8082
PCB-1254	ND	360	ug/Kg	05/01/12		MH	3540C/8082
PCB-1260	ND	360	ug/Kg	05/01/12		MH	3540C/8082
PCB-1262	ND	360	ug/Kg	05/01/12		MH	3540C/8082
PCB-1268	ND	360	ug/Kg	05/01/12		MH	3540C/8082
OA/OC Surrogates							
% DCBP	96		%	05/01/12		MH	30 - 150 %
% TCMX	84		%	05/01/12		MH	30 - 150 %

Page 1 of 2 Ver 3 Project ID: DELL Phoenix I.D.: BB78097

Client ID: 4E 5-6

Parameter Result RL Units Date Time By Reference

Comments:

**Petroleum hydrocarbon chromatogram was not a perfect match with any of the standards, but contains a distribution in the C9 to C36 range. The sample was quantitated against a C9-C36 standard.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

ND=Not detected BDL=Below Detection Level RL=Reporting Level

All soils and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

This report must not be reproduced except in full as defined by the attached chain of custody.

Phyllis/Shiller, Laboratory Director

May 23, 2012

Reviewed and Released by: Greg Lawrence, Assistant Lab Director

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

PCB-1260

QA/QC Data

May 23, 2012		QA/QC Dat	<u>a</u>			SDO	G I.D.:	GBB78	3079
Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 199536, QC	Sample No: BB78064 (B	B78080, BB78082, BB7	8084, B	B78085	, BB78	086, BE	378089,	BB78091)
Polychlorinated Bipho	enyls - Solid								
PCB-1016	ND	102	105	2.9				40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30
PCB-1260	ND	109	111	1.8				40 - 140	30
PCB-1262	ND							40 - 140	30
PCB-1268	ND							40 - 140	30
% DCBP (Surrogate Rec)	97	96	105	9.0				30 - 150	30
% TCMX (Surrogate Rec)	86	85	93	9.0				30 - 150	30
* The batch MS and MSD rec	overies could not be calcula	ited due to the presence of I	PCB in the	e unspike	ed samp	le. LCS/	LCSD re	coveries w	vere
within QA/QC limits.	C	D70070 DD70003\							
QA/QC Batch 200580, QC	•	3B78079, BB78083)							
Polychlorinated Bipho									
PCB-1016	ND	115	120	4.3	119	125	4.9	40 - 140	30
PCB-1221	ND							40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND	104	110	7.4	100	120	0.0	40 - 140	30
PCB-1260	ND	104	112	7.4	128	139	8.2	40 - 140	30
PCB-1262 PCB-1268	ND ND							40 - 140 40 - 140	30
% DCBP (Surrogate Rec)	94	86	83	3.6	88	90	2.2	30 - 150	30 30
% TCMX (Surrogate Rec)	95	90	85	5.7	91	90	1.1	30 - 150	30
QA/QC Batch 200456, QC									
TPH by GC (Extracta	•		0000, Б	D70007	, 0070	092, BE	070073,	DD/0090	"
Ext. Petroleum HC	ND	<u>.u.</u> 81	82	1.2	106	76	33.0	50 - 150	30 r
% n-Pentacosane	52	95	95	0.0	132	99	28.6	50 - 150	30
QA/QC Batch 200591, QC									
Polychlorinated Biphe	•		•						
PCB-1016	ND	117	88	28.3				40 - 140	30
PCB-1221	ND		00	20.0				40 - 140	30
PCB-1232	ND							40 - 140	30
PCB-1242	ND							40 - 140	30
PCB-1248	ND							40 - 140	30
PCB-1254	ND							40 - 140	30

113

33.0

40 - 140

30

ND

CDC	ID.	CDD70070
SUG	1. U	GBB78079

Parameter	Blank	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	80	92	76	19.0				30 - 150	30	
% TCMX (Surrogate Rec)	80	83	71	15.6				30 - 150	30	
Comment:										
The batch MS and MSD recove within QA/QC limits.	eries could not be calculated due to the	e presence of PO	CB in the	unspiked	d sample	e. LCS/L	.CSD red	overies we	ere	
QA/QC Batch 200588, QC Sa	ample No: BB78096 (BB78096, E	3B78098)								
Polychlorinated Bipher	nvls - Solid									
PCB-1016	ND	106	117	9.9				40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	104	102	1.9				40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	96	87	89	2.3				30 - 150	30	
% TCMX (Surrogate Rec)	98	85	88	3.5				30 - 150	30	
Comment:										
within QA/QC limits.	eries could not be calculated due to the					e. LCS/L	.CSD rec	overies we	ere	
	ample No: BB78097 (BB78093, E	BB78095, BB7	8097, B	B/8099)					
Polychlorinated Bipher	<u>nyls - Solid</u>									
PCB-1016	ND	84	89	5.8	79	87	9.6	40 - 140	30	
PCB-1221	ND							40 - 140	30	
PCB-1232	ND							40 - 140	30	
PCB-1242	ND							40 - 140	30	
PCB-1248	ND							40 - 140	30	
PCB-1254	ND							40 - 140	30	
PCB-1260	ND	79	84	6.1	126	106	17.2	40 - 140	30	
PCB-1262	ND							40 - 140	30	
PCB-1268	ND							40 - 140	30	
% DCBP (Surrogate Rec)	101	80	91	12.9	68	64	6.1	30 - 150	30	
% TCMX (Surrogate Rec)	82	66	72	8.7	70	58	18.8	30 - 150	30	
QA/QC Batch 200363, QC Sa TPH by GC (Extractab	ample No: BB84020 (BB78081) le Products) - Solid									
Ext. Petroleum HC	ND	65	79	19.4				50 - 150	30	
% n-Pentacosane	103	96	109	12.7				50 - 150	30	
Comment:										
	orted due to the presence of ETPH in	the original sam	nle The	I CS was	within (riteria			
	ample No: BB87875 (BB78097)	are original salli	PIC. THE	LOO Was	vviti III (-, 1, QO 0	inolid.			
TPH by GC (Extractab	<u>le Products) - Solid</u>									
Ext. Petroleum HC	ND	67			76	107	33.9	50 - 150	30	r

r = This parameter is outside laboratory rpd specified recovery limits.

84

% n-Pentacosane

79

90

128

34.9

50 - 150

30

QA/QC Data

SDG I.D.: GBB78079

% RPD % LCS LCSD LCS MS MSD MS Rec Blank % RPD % % RPD Limits Limits % Parameter

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference

Phyllis/Shiller, Laboratory Director

May 23, 2012

Wednesday, May 23, 2012

Requested Criteria: GAM, GBM, RC

Page 1 of 1

Sample Criteria Exceedences Report

Factored RL Analysis Criteria Factored SampNo LocCode Acode Phoenix Analyte ST State Category Criteria Name Result RLCriteria Criteria Units Units BB78081 LBG-FARM \$ETPH SMR Ext. Petroleum HC mg/kg CT Pesticides, Pcb's, Tph, A GA/GAA PMC (mg/kg) 4900 110 500 500 mg/Kg BB78081 LBG-FARM \$ETPH_SMR Ext. Petroleum HC mg/kg CT Pesticides, Pcb's, Tph, A GB PMC (mg/kg) 4900 110 2500 2500 mg/Kg BB78081 LBG-FARM \$ETPH SMR CT Pesticides, Pcb's, Tph. A Ext. Petroleum HC mg/kg RES DEC (mg/kg) 4900 110 500 500 mg/Kg BB78082 LBG-FARM \$ETPH_SMR Ext. Petroleum HC mg/kg CT Pesticides, Pcb's, Tph, A GA/GAA PMC (mg/kg) 4700 220 500 500 mg/Kg BB78082 LBG-FARM \$ETPH_SMR Ext. Petroleum HC mg/kg CT Pesticides, Pcb's, Tph, A GB PMC (mg/kg) 4700 220 2500 2500 mg/Kg BB78082 LBG-FARM \$ETPH SMR Ext. Petroleum HC CT Pesticides, Pcb's, Tph, A RES DEC (mg/kg) 220 500 mg/kg 4700 500 mg/Kg BB78088 LBG-FARM \$ETPH_SMR Ext. Petroleum HC CT Pesticides, Pcb's, Tph, A GA/GAA PMC (mg/kg) mg/kg 14000 540 500 500 mg/Kg BB78088 LBG-FARM \$ETPH SMR Ext. Petroleum HC mg/kg CT Pesticides, Pcb's, Tph. A GB PMC (ma/ka) 14000 540 2500 2500 mg/Kg BB78088 LBG-FARM \$ETPH_SMR Ext. Petroleum HC CT Pesticides, Pcb's, Tph, A RES DEC (mg/kg) 14000 540 500 mg/kg 500 mg/Kg BB78089 LBG-FARM \$ETPH SMR Ext. Petroleum HC mg/kg CT Pesticides, Pcb's, Tph, A GA/GAA PMC (mg/kg) 2600 56 500 500 mg/Kg BB78089 LBG-FARM \$ETPH_SMR Ext. Petroleum HC mg/kg CT Pesticides, Pcb's, Tph, A GB PMC (mg/kg) 2600 56 2500 2500 mg/Kg BB78089 LBG-FARM \$ETPH_SMR Ext. Petroleum HC mg/kg CT Pesticides, Pcb's, Tph, A RES DEC (mg/kg) 2600 56 500 500 mg/Kg LBG-FARM BB78092 \$ETPH SMR Ext. Petroleum HC mg/kg CT Pesticides, Pcb's, Tph. A GA/GAA PMC (ma/ka) 1200 21 500 500 mg/Kg CT Pesticides, Pcb's, Tph, A BB78092 LBG-FARM \$ETPH_SMR Ext. Petroleum HC mg/kg RES DEC (mg/kg) 1200 21 500 500 mg/Kg BB78093 LBG-FARM \$ETPH SMR Ext. Petroleum HC CT Pesticides, Pcb's, Tph, A GA/GAA PMC (mg/kg) 22 500 mg/kg 1300 500 mg/Kg LBG-FARM 22 BB78093 \$ETPH_SMR Ext. Petroleum HC mg/kg CT Pesticides, Pcb's, Tph, A RES DEC (mg/kg) 1300 500 500 mg/Kg BB78096 LBG-FARM \$ETPH_SMR Ext. Petroleum HC CT Pesticides, Pcb's, Tph, A GA/GAA PMC (mg/kg) 5000 110 500 500 mg/Kg mg/kg BB78096 LBG-FARM \$ETPH_SMR Ext. Petroleum HC CT Pesticides, Pcb's, Tph, A GB PMC (mg/kg) mg/kg 5000 110 2500 2500 mg/Kg BB78096 LBG-FARM \$ETPH SMR Ext. Petroleum HC ma/ka CT Pesticides, Pcb's, Tph. A RES DEC (mg/kg) 5000 110 500 500 mg/Kg

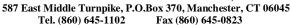
Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. Client: LBG-FARM Project Location: DELL **Project Number:** Laboratory Sample ID(s): BB78079, BB78080, BB78081, BB78082, BB78083, BB78084, BB78085, BB78086, BB78087, BB78088, BB78089, BB78090, BB78091, BB78092, BB78093, BB78094, BB78095, BB78096, BB78097, BB78098, BB78099 **Sampling Date(s):** 4/26/2012 **RCP Methods Used:** 1311/1312 6010 7000 7196 ☐ EPH ☐ TO15 7470/7471 ✔ 8082 8270 **✓** ETPH 9010/9012 ☐ VPH 8260 8151 For each analytical method referenced in this laboratory report package, were all ✓ Yes □ No specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP methodspecific Reasonable Confidence Protocol documents? Were the method specified preservation and holding time requirements met? 1a. ✓ Yes □ No EPH and VPH methods only: Was the VPH or EPH method conducted without 1b. ☐ Yes ☐ No **✓** NA significant modifications (see section 11.3 of respective RCP methods) 2. Were all samples received by the laboratory in a condition consistent with that ✓ Yes No. described on the associated Chain-of-Custody document(s)? Were samples received at an appropriate temperature (< 6 Degrees C)? 3. ✓ Yes □ No \square NA Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol 4. ✓ Yes □ No documents achieved? Were reporting limits specified or referenced on the chain-of-custody? 5a. ✓ Yes □ No Were these reporting limits met? 5b. ✓ Yes □ No \square NA For each analytical method referenced in this laboratory report package, were results 6. ✓ Yes □ No \square NA reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents? Are project-specific matrix spikes and laboratory duplicates included in the data set? ✓ Yes □ No \square NA Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence". I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowlegde and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. Date: Wednesday, May 23, 2012 Malaylor Authorized Printed Name: Maryam Taylor Signature:

Position: Project Manager







RCP Certification Report

May 23, 2012

SDG I.D.: GBB78079

ETPH Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-fid1 05/15/12-1 (BB78081, BB78096)

Initial Calibration (FID1 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko **Position:** Chemist **Date:** 5/15/2012

Instrument: Aufid3 05/15/12-1 (BB78089)

Initial Calibration (AU-FID3 - ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of \pm 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: None

Printed Name Jeff Bucko Position: Chemist Date: 5/15/2012

Instrument: Au-fid84 05/11/12-2 (BB78093)

Initial Calibration (FID84 - ETPH_13) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: C36

Printed Name Jeff Bucko **Position:** Chemist **Date:** 5/11/2012

Instrument: Au-fid84 05/15/12-1 (BB78082, BB78088, BB78092)

Initial Calibration (FID84 - ETPH_13) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: C36



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RCP Certification Report

May 23, 2012

SDG I.D.: GBB78079

Printed Name Jeff Bucko **Position:** Chemist **Date:** 5/15/2012

Instrument: Au-fid84 05/21/12-3 (BB78097)

Initial Calibration (FID84 - ETPH_13) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of +/- 30% RSD.

As per section 7.2.3, a discrimination check standard was run and contained the following outliers: C36

Printed Name Jeff Bucko **Position:** Chemist **Date:** 5/21/2012

Instrument: <u>Au-xl1 05/11/12-2 (BB78083)</u>

Initial Calibration (FIDXL1 ETPH_1) - The initial calibration curve was within method criteria and had a %RSD less than 30%.

The daily continuing calibration standard was within method criteria of \pm 80% RSD.

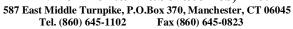
As per section 7.2.3, a discrimination check standard was run and contained the following outliers: C36

Printed Name Jeff Bucko
Position: Chemist
Date: 5/11/2012

QC Comments: QC Batch 00363 05/09/12 (BB78081)

*The MS/MSD could not be reported due to the presence of ETPH in the original sample. The LCS was within QA/QC criteria.







RCP Certification Report

May 23, 2012

OC (Site Specific)

SDG I.D.: GBB78079

Sample No: BB78083, QA/QC Batch: 200456
All LCS recoveries were within 50 - 150 with the following exceptions: None.
All LCSD recoveries were within 50 - 150 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 50 - 150 with the following exceptions: None.
All MSD recoveries were within 50 - 150 with the following exceptions: None.
All MS/MSD RPDs were less than 30% with the following exceptions: Ext. Petroleum HC(33.0%)
A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria. QC (Batch Specific) Sample No: BB84020, QA/QC Batch: 200363
All LCS recoveries were within 50 - 150 with the following exceptions: None.
All LCSD recoveries were within 50 - 150 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Sample No: BB87875, QA/QC Batch: 201013
All LCS recoveries were within 50 - 150 with the following exceptions: None.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: <u>Au-ecd35 05/15/12-1 (BB78098)</u>

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/15/2012

Instrument: Au-ecd35 05/20/12-1 (BB78098)

8082 Narration:



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RCP Certification Report

May 23, 2012

SDG I.D.: GBB78079

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn **Position:** Chemist **Date:** 5/20/2012

Instrument: Au-ecd35 05/21/12-1 (BB78098)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/21/2012

Instrument: Au-ecd4 05/15/12-1 (BB78079)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/15/2012

Instrument: <u>Au-ecd4 05/16/12-1 (BB78090)</u>

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

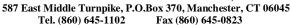
The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn **Position:** Chemist **Date:** 5/16/2012

Instrument: Au-ecd5 05/04/12-1 (BB78080)

8082 Narration:







RCP Certification Report

May 23, 2012

SDG I.D.: GBB78079

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/4/2012

Instrument: <u>Au-ecd5 05/15/12-1 (BB78094, BB78096)</u>

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/15/2012

Instrument: Au-ecd6 05/01/12-1 (BB78080, BB78082, BB78084, BB78085, BB78089, BB78091,

BB78093, BB78095, BB78097, BB78099)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/1/2012

Instrument: Au-ecd7 05/02/12-1 (BB78097)

8082 Narration:

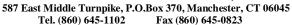
The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/2/2012

Instrument: Au-ecd8 05/08/12-1 (BB78086)







RCP Certification Report

May 23, 2012

SDG I.D.: GBB78079

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/8/2012

Instrument: Au-ecd8 05/15/12-1 (BB78083, BB78092)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none

Printed Name Michael Hahn Position: Chemist Date: 5/15/2012

QC Comments: QC Batch 00588 05/12/12 (BB78096, BB78098)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QC Comments: QC Batch 00591 05/12/12 (BB78090, BB78092, BB78094)

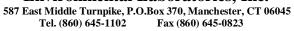
The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.

QC Comments: QC Batch 99536 04/30/12 (BB78080, BB78082, BB78084, BB78085, BB78086,

BB78089, BB78091)

The batch MS and MSD recoveries could not be calculated due to the presence of PCB in the unspiked sample. LCS/LCSD recoveries were within QA/QC limits.







RCP Certification Report

May 23, 2012

SDG I.D.: GBB78079

QC (Site Specific)
Sample No: BB78090, QA/QC Batch: 200591
All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: PCB-1260(33.0%)
Sample No: BB78096, QA/QC Batch: 200588
All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Sample No: BB78097, QA/QC Batch: 199537
All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
All MS recoveries were within 40 - 140 with the following exceptions: None.
All MSD recoveries were within 40 - 140 with the following exceptions: None.
All MS/MSD RPDs were less than 30% with the following exceptions: None.
A matrix effect is suspected when a MS/MSD recovery is outside of criteria. No further action is required if LCS/LCSD compounds are within criteria. QC (Batch Specific) Sample No: BB78064, QA/QC Batch: 199536
All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.
Sample No: BB78072, QA/QC Batch: 200580
All LCS recoveries were within 40 - 140 with the following exceptions: None.
All LCSD recoveries were within 40 - 140 with the following exceptions: None.
All LCS/LCSD RPDs were less than 30% with the following exceptions: None.



587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045 Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

May 23, 2012

SDG I.D.: GBB78079

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PHOENIX Environmental Laboratories,	Leggette, Brashears & Graham, Inc. 6 Executive Drive Suite 109	Farmington, CT 06032	Client Sample - Information - Identification	WW=wastewater S=soil/solid SL=sludge A=air	Customer Sample Identification	76 6-7	SL 7L	- 43 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1	Be on the	23-1-1	20 45	20 55	20 6-7	20 7-8	30 0.25-0.5	30 05-0-15	2-1 48	Accepted by:		SOUTH THE WAY		Comments, Special Requirements or Regulations: Diagonal fracts all held commiss. Hold commiss may be	sults.		
PHO Environmen	Customer: Le	LL {	Sampler's Signature	Matrix Code: DW=drinking water GW=groundwater	Phoenix Sample #	PC08C	75080				78081	78082	78083	13086	78085	9808C	18087	Relipquighed by			, , , , , , , , , , , , , , , , , , ,	Comments, Special r	pending initial results.		

Environmen Customer: Address: Sampler's Signature DW-drinking water GW-groundwater Phoenix Sample # 780 84 780 84 780 90 780 90	### Itte, Bi waste sludge sample sample of the standard of the	109	Date Date Sampled 4/26/2012 4/26/2012 4/26/2012 4/26/2012 4/26/2012 4/26/2012 4/26/2012	Sampled 1760 1401 1402 1404 1	East Middle Tum Email: info@pho Client So Client So Report to Invoice to Invoice to X X X X X X X X X X X X X X X X X X X	CHAIN OF CUSTO CHAIN OF CUSTO Bast Middle Tumpike, P.O. Box Email: info@phoenixlabs.com Client Services (8 Project: DELL Report to: Mike Sull Nuoice to: Mike Sull Nuoice to: Mike Sull Sequest Analysis Request X X X X X X	Y RECORD 0, Manchester, CT 0 8, LBG a, LBG a, LBG		Project Project Fax #:		10000 1000 1000 1000 1000 1000 1000 10
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						eric e				Other	

Bobbi - Phoenixlabs

From: David D'Onofrio [ddonofrio@LBGCT.com]

Sent: Thursday, May 10, 2012 11:46 AM

To: 'bobbi@phoenixlabs.com'

Cc: Michael Susca

Subject: Request for additional analyses

Bobbi.

Please run additional analyses on the Dell samples as noted in the table below.

Phoenix Id	Sample ID	Sample Depth (ft bg)	PCBs	СТЕТРН
BB76664	lΛ	4-5	X	X
BB76665		5-6		X
BB76670		10-11	X	
BB76671		11-12	X	
BB76672		12-13	X	
BB76678	2A	4-5		X
BB76679		5-6		Х
BB78037	2C	1-2	X	
BB78038		4-5	X	X
BB78039		5-6		X
BB78040		6-7	X	
BB78052	3C	4-5	X	
BB78054		6-7	X	
BB78056		8-9	X	
BB78058		10-11	X	
BB78060		12-13	X	
BB78065	4C	6-7	X	
BB78069	6C	1-2	X	
BB78070		4-5	X	
BB78072		6-7	X	
BB78079	7C	6-7	X	
BB78081	2D	4-5		X
BB78082		5-6		X
BB78083		6-7	X	X
BB78088	3D	4-5		X
BB78089		5-6		X
BB78090		6-7	X	
BB78103	4D	4-5	X	X
BB78104		5-6		X
BB78105		6-7	X	
₩BB78092	3E	4-5	X	X
BB78093		5-6		X
BB78094		6-7	X	
BB78096	4E	4-5	X	X
BB78097		5-6		X
BB78098		6-7	X	

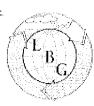
Please feel free to contact me if you have any questions regarding this request.

Thanks, Dave

DAVID J. D'ONOFRIO

Senior Hydrogeologist Leggette: Brashears & Graham, Inc. 6 Executive Drive Svite 109 Farmington, CT 06082

dsonofria@libget.com (850) 678-0404 x 360 Office (850) 678-0505 Fax (203) 767-7573 Cs : www.libgweb.com



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7(de6)

Bobbi - Phoenixlabs

David D'Onofrio [ddonofrio@LBGCT.com]

Sent: Friday, May 18, 2012 2:36 PM

To: 'Bobbi - Phoenixlabs'

Cc: Michael Susca

Subject: RE: Request for additional analyses

Bobbi.

From:

Please disregard my previous email and instead use the revised table below.

Phoenix Id	Sample ID	Sample Depth (ft bg)	PCBs	СТЕТРН
BB76670	1A	10-11		X
BB76671		11-12		X
BB76672		12-13		X
BB76681	2A	7-8		X
BB76683		9-10		X
BB78042	2C	8-9	X	X
BB78044		10-11	X	X
REG	QUESTED	- RESULTS STI	LL PEND	ING
BB78097	4E	5-6		X

Thanks, Dave

From: Bobbi - Phoenixlabs [mailto:bobbi@phoenixlabs.com]

Sent: Friday, May 18, 2012 2:12 PM

To: David D'Onofrio **Cc:** Michael Susca

Subject: RE: Request for additional analyses

Sure thing, have a great weekend

Bobbi

Bobbi Aloisa Vice President Director of Client Services Phoenix Environmental Laboratories 587 East Middle Turnpike Manchester, CT 06040

Ph: 860-645-8728

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